

REMARKS

Reconsideration of this application as amended is respectfully requested. Claims 1, 8, 9, 20 and 32 have been amended without adding new matter. Claims 1-43 remain pending. The remarks below in connection with claim rejections refer to the claims as amended herein.

Claim Rejections - 35 U.S.C. § 102

Claims 1-43 have been rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,057,743 to Aekins ("Aekins"). Applicant respectfully submits that claims 1-43 are not anticipated by Aekins.

Claim 1 recites, in part:

transposing signal lines between the segments of signal
lines in a manner that reduces differences in interline
couplings between a given signal line and each of the
remaining ones of the at least four signal lines

Aekins discloses a crosstalk-cancelling connector in which two traces of a differential signaling pair are crossed between input and output sections of the connector so that the crosstalk induced onto a neighboring differential signaling pair from a signal on either trace is canceled by crosstalk from the equal and opposite signal on the other trace (Aekins, col. 3, line 61 – col. 4, line 54). Aekins does not disclose or suggest transposing signal lines in a manner that reduces differences in interline couplings between a given signal line and *each of the remaining ones of the at least four signal lines*.

Because Aekins lacks at least the above-recited feature, Aekins does not anticipate claim 1, nor dependent claims 2-7.

Claim 8 recites, in part:

wherein at least some of the signal lines are transposed
between the segments in a manner that reduces differences
between interline coupling parameters associated with pairs
of signal lines formed between a given signal line and each

of the remaining ones of the at least four signal lines

Applicant submits that, for at least the reasons given with respect to claim 1, Aekins lacks at least the above-recited feature and therefore does not anticipate claim 8, nor dependent 9-19.

Claim 20 recites, in part:

wherein the signal lines are transposed between the segments in a manner that reduces differences between interline coupling parameters associated with pairs of signal lines formed between a given signal line and each of the remaining ones of the at least four signal lines, including transposing a first one of the signal lines with at least two other of the signal lines

Applicant submits that, for at least the reasons given with respect to claim 1, Aekins lacks at least the above-recited feature and therefore does not anticipate claim 20, nor dependent 21-31.

Claim 32 recites, in part:

three or more signal lines forming at least three possible pairs of signal lines, a respective interline coupling parameter being associated with a respective pair of signal lines, each pair of at least two different pairs of signal lines among the possible pairs of signal lines being transposed in the interconnection to reduce differences in interline coupling parameters associated with the at least three possible pairs of signal lines

As discussed above, Aekins discloses crossing the traces of a differential signaling pair so that the crosstalk induced onto a neighboring differential signaling pair from a signal on either trace is canceled by crosstalk from the equal and opposite signal on the other trace. Aekins does not disclose or suggest that *each pair of at least two different pairs of signal lines among the possible pairs of signal lines being transposed in the interconnection to reduce differences in interline coupling parameters associated with*

the at least three possible pairs of signal lines as recited in claim 32. Accordingly, Aekins lacks at least the above-recited feature and therefore does not anticipate claim 32, nor dependent 33-43.

In Conclusion

Applicant respectfully submits that all pending claims are in condition for allowance. If a telephone interview would be helpful in any way, the examiner is invited to call the undersigned attorney.

If an extension of time is due in connection herewith, applicant hereby petitions for such extension of time.

Authorization is hereby given to charge deposit account 501914 for any fee due in connection with this submission, including any extension-of-time fee.

Respectfully submitted,

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By: _____



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